

Title (en)
METHOD FOR PRODUCING A PRODUCT HAVING A STRUCTURED SURFACE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES ERZEUGNISSES MIT EINER STRUKTURIERTEN OBERFLÄCHE

Title (fr)
PROCEDE DE PRODUCTION D'UN ARTICLE A SURFACE STRUCTUREE

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Application
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Abstract (en)
[origin: WO03086958A2] The aim of the invention is to provide a method for producing microstructures in glass or in glass-like layers. To this end, an auxiliary substrate (10, 20) having a structured surface (20a) is used, whereby the surface defines a negative mold for the product to be produced. A layer (30) made of glass or of a glass-like material is vapor-deposited onto the structured surface (20a) of the auxiliary substrate. The auxiliary substrate is subsequently removed, e.g. by using wet-chemical techniques, whereby exposing the positive structure. The invention enables the excellent production of microchannels and optical microstructures such as microlenses.

IPC 8 full level
B81C 1/00 (2006.01); **G02B 3/00** (2006.01); **B81C 3/00** (2006.01); **C03B 19/00** (2006.01); **C03C 4/12** (2006.01); **C03C 14/00** (2006.01); **C03C 15/00** (2006.01); **C03C 17/02** (2006.01); **C03C 17/34** (2006.01); **C03C 27/02** (2006.01); **C23C 14/10** (2006.01); **H01L 21/027** (2006.01); **H01L 21/306** (2006.01); **H01L 21/3065** (2006.01); **H01L 21/312** (2006.01); **H01L 21/316** (2006.01); **H01L 21/50** (2006.01); **H01L 21/56** (2006.01); **H01L 21/768** (2006.01); **H01L 23/00** (2006.01); **H01L 23/02** (2006.01); **H01L 23/10** (2006.01); **H01L 23/29** (2006.01); **H01L 23/31** (2006.01); **H01L 23/48** (2006.01); **H01L 51/50** (2006.01); **H01L 51/52** (2006.01); **H05B 33/04** (2006.01); **H05B 33/10** (2006.01); **H05B 33/24** (2006.01); **H05B 33/26** (2006.01); **H05B 33/28** (2006.01); **H01L 23/498** (2006.01); **H05K 3/28** (2006.01)

IPC 8 main group level
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CPC (source: EP US)
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C-Set (source: EP US)
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- US 6221687 B1 20010424 - ABRAMOVICH IRIT [IL]
- JP H06265702 A 19940922 - OMRON TATEISI ELECTRONICS CO

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